



072396.0263 supplemental Seqlist.txt

SEQUENCE LISTING

<110> Robbins, Paul D.
Mai, Jeffrey C.

<120> A COMPACT SYNTHETIC EXPRESSION VECTOR COMPRISING DOUBLE-STRANDED DNA
MOLECULES AND METHODS OF USE THEREOF

<130> AP35518 (072396.0263)

<140> 10/807,755

<141> 2004-03-24

<150> 60/456,989

<151> 2003-03-24

<160> 52

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<213> Artificial Sequence

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<223> synthetic oligonucleotide

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<400> 3

gaacuucagg gucagcuugc uu 22

<210> 4

<211> 156

<212> DNA

<213> Artificial Sequence

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<223> synthetic oligonucleotide

<400> 4

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 ttgggaatct tataagttct gtatgagacc acagatcccc gcaagctgac cctgaagttc 120
 ttcaagagag aacttcaggg tcagcttgct ttttgg 156

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<210> 6
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<220>
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<400> 6
 ggatcgaaac c 11

<210> 7
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<400> 7
 tttttttata tatacaggag gccgaggc 28

<210> 8
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 <212> PRT
 <213> Artificial Sequence

<220>
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<400> 8
 Cys Gly Ser Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu Gly Ser
 1 5 10 15

<210> 9
 <211> 29
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> synthetic polypeptide

<400> 9
 Cys Gly Ser Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu Gly Ser
 1 5 10 15
 Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu Gly Ser
 20 25

<210> 10
 <211> 15
 <212> DNA
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 <220>
 <223> synthetic oligonucleotide

 <400> 10
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 <210> 11
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> synthetic oligonucleotide

 <400> 11
 aggtcatatt gacct 15

 <210> 12
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 <212> DNA
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 <220>
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 <400> 12
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 <210> 13
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 <400> 13
 aagattagca cagt 14

 <210> 14
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 <210> 15
 <211> 59
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<220>
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<400> 15
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<220>
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<400> 16
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 ccaccagcuu cuacaauagc uu 82

<210> 17
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<400> 17
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<210> 18
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<220>
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<400> 18
 ccaccagcuu cuacaauagc uu 22

<210> 19
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<220>
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<400> 19
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<210> 20
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<400> 20
 aatatttgca tgtcgctatg tgttctggga aatcaccata aacgtgaaat gtctttggat 60
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<210> 21
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<213> Artificial Sequence

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<210> 22
<211> 68
<212> DNA
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tctttccc 68

<210> 23
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<222> (71)...(89)
<223> n = A,T,C or G

<221> misc_feature
<222> (93)...(111)
<223> n = A,T,C or G

<223> synthetic oligonucleotide

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aaaccgggcg ttttt 135

<210> 24
<211> 190
<212> DNA
<213> Artificial Sequence

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<222> (75)...(93)
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<221> misc_feature
<222> (97)...(115)
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<223> synthetic oligonucleotide

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tgtagtgggtt acacnnnnnn nnnnnnnnnn nnnatgnnnn nnnnnnnnnn nnnnnnttcgg 120
 ttcgaaaccg ggcgttttta aagagagtcg cttttttttc tatcgctaata tctgtttttg 180
 agtattttca 190

<210> 25
 <211> 135
 <212> DNA
 <213> Artificial Sequence

<220>
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 <223> n = A,T,C or G

<221> misc_feature
 <222> (101)...(119)
 <223> n = A,T,C or G

<223> synthetic oligonucleotide

<400> 25
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 ttttctatcg ctaat 135

<210> 26
 <211> 155
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> misc_feature
 <222> (71)...(89)
 <223> n = A,T,C or G

<221> misc_feature
 <222> (101)...(119)
 <223> n = A,T,C or G

<223> synthetic oligonucleotide

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 ttttctatcg ctaattctgt ttttgagtat tttca 155

<210> 27
 <211> 135
 <212> DNA
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 <221> misc_feature
 <222> (66)...(84)
 <223> n = A,T,C or G

<221> misc_feature
 <222> (95)...(113)
 <223> n = A,T,C or G

<223> synthetic oligonucleotide

<400> 27

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caggactagt ctttttaggtc aaaaagaaga agctttgtaa ccgttggtt ccgtagtgta 60
gtggtnnnnn nnnnnnnnnn nnnncttcct gtcannnnnn nnnnnnnnnn nnttttttgg 120
ttcgaaccg ggcgg 135

<210> 28
<211> 194
<212> DNA
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<220>
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<222> (70)...(88)
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<221> misc_feature
<222> (99)...(117)
<223> n = A,T,C or G

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ttggttcgaa accgggcgga aacaaagaga gtcgctttt tttctatcgc taattctgtt 180
tttgagtatt ttca 194

<210> 29
<211> 135
<212> DNA
<213> Artificial Sequence

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<221> misc_feature
<222> (79)...(97)
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<221> misc_feature
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<223> n = A,T,C or G

<223> synthetic oligonucleotide

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nnnnnnnnnn ttttt 135

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<221> misc_feature
<222> (127)...(145)
<223> n = A,T,C or G

<223> synthetic oligonucleotide

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<400> 30
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 aacaccgtgc ttgctttggt agcacatgta cttnnnnnnn nnnnnnnnnn nnaagatagc 120
 acagtannnn nnnnnnnnnn nnnnttttt 150

<210> 31
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<221> misc_feature
 <222> (115)...(133)
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<400> 31
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 gtgggggcg gcgttcgtcctc actctnnnnn nnnnnnnnnn nnnncttcct gtcannnnnn 120
 nnnnnnnnnn nnntt 135

<210> 32
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 <222> (106)...(124)
 <223> n = A,T,C or G

<221> misc_feature
 <222> (135)...(153)
 <223> n = A,T,C or G

<223> synthetic oligonucleotide

<400> 32
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 aaggggggct ataaaagggg gtgggggcg gcgttcgtcctc actctnnnnn nnnnnnnnnn 120
 nnnncttcct gtcannnnnn nnnnnnnnnn nnnttttt 158

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<221> misc_feature
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<223> synthetic oligonucleotide

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<400> 33
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tatatatata ggaggccgag gcnnnnnnnn nnnnnnnnnn ncttcctgtc annnnnnnnn 120
nnnnnnnnnn ttttt 135

<210> 34
<211> 153
<212> DNA
<213> Artificial Sequence

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<221> misc_feature
<222> (101)...(119)
<223> n = A,T,C or G

<221> misc_feature
<222> (130)...(148)
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<223> synthetic oligonucleotide

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cctaccttcc ctttttttta tatatacagg aggccgaggc nnnnnnnnnn nnnnnnnnnc 120
ttcctgtcan nnnnnnnnnn nnnnnnnntt ttt 153

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<400> 35
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tagtggttga atggcgtcaa ggtggacgtt cgactctggt tcaccttgat gccgttcctt 120
ttctatcgct 130

<210> 36
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<220>
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<400> 36
tagtgtagtg g 11

<210> 37
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<210> 38
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 cacactgatt gcaggctgat cctgagggtc aagatagcac agtagaactt cagggtcagc 120
 ttgctttt 129
 <210> 42
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 <212> DNA
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 <400> 42
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 <210> 43
 <211> 13
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 <223> synthetic oligonucleotide

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<210> 44
<211> 44
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<210> 45
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<400> 45
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<210> 46
<211> 85
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gaatttcagg gtcagcttgc tttt 85

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<221> misc_feature
<222> (135)...(153)
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tggatttggg aatcttataa gttctgtatg agaccactct ttcccnnnnn nnnnnnnnnn 120
nnncttcct gtcannnnnn nnnnnnnnnn nnnnttttga attcc 165

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ggaggggtag cggtcgttgt ccactagggg gtccactcgc tccagggtgt gaagacacat 180
gtcgccctct tcggcatcaa ggaagggtgat tggtttatag gtgtaggcca cgtgaccggg 240
tgttcctgaa ggggggctat aaaagggggg ggggggcgct tcgtcctcac tctcttcnnn 300
nnnnnnnnnn nnnnnncttc ctgtcannnn nnnnnnnnnn nnnnnntttt 350

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<223> n = A,T,C or G

<221> misc_feature
<222> (130)...(148)
<223> n = A,T,C or G

<223> synthetic oligonucleotide

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cctaccttcc ctttttttta tatatacagg aggccgaggc nnnnnnnnnn nnnnnnnnnc 120
ttcctgtcan nnnnnnnnnn nnnnnnnntt ttt 153

<210> 50
<211> 121
<212> DNA
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<220>
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<223> synthetic oligonucleotide

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<222> 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35,
36, 37, 38, 39, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
61, 62, 63, 64, 65, 66, 67, 68, 69
<223> n = A,U,C or G

<223> Synthetic oligonucleotide

<400> 51
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nnnnnnnnnu uuuu 74

<210> 52
<211> 83
<212> RNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41,
42, 43, 44, 45, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69,
70, 71, 72, 73, 74, 75, 76, 77, 78
<223> n = A,U,C or G

<223> Synthetic oligonucleotide

<400> 52
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nnnnnnnnnn nnnnnnnnuu uuu 83

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